

RAD-ISM-900-SET-AC-UD

Order No.: 2867021



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2867021>

Unidirectional, wireless, 900 MHz transmission system (America), consists of an outdoor transmitter (transmitter, Tx) with 100...240 V AC supply, a DIN-mountable receiver (receiver, Rx) with 12...30 V DC supply, and antennas



Commercial data

GTIN (EAN)	 4 017918 929565
Note	Made-to-order
sales group	H171
Pack	1 pcs.
Customs tariff	85176990
Catalog page information	Page 669 (IF-2011)

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Technical data

Wireless set

Set contents	Transmitter, receiver
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Wireless path

Direction	Uni-directional
Frequency range	902 MHz ... 928 MHz
Number of channel groups	4
Number of channels per group	63

Transmission power	1 W
Analog input (sender)	
Description of the input	Current input (analog input)
Current input signal	4 mA ... 20 mA
Input resistance current input	< 170 Ω
Digital input (sender)	
Input voltage range	85 V AC ... 240 V AC
Analog output (receiver)	
Output name	Current output
Current output signal	4 mA ... 20 mA
Load/output load current output	700 Ω (at $U_B = 24$ V, $R_B = [U_B - 10$ V] / 20 mA)
Digital output (receiver)	
Output name	2 x relay output + 1 x RF link
Contact type	3 floating PDT contacts
Contact material	Ag, gold-plated
Maximum switching voltage	30 V DC
	120 V AC
Limiting continuous current	0.5 A
Mechanical service life	1×10^7
Service life, electrical	8×10^5 cycles at a switching current of 0.5 A
Supply (receiver)	
Supply voltage	24 V DC (at U_B)
Supply voltage range	12 V DC ... 30 V DC
Typical current consumption	85 mA
Max. current consumption	125 mA
Supply (sender)	
Supply voltage	230 V AC
Supply voltage range	100 V AC ... 240 V AC
Typical current consumption	57 mA
Max. current consumption	109 mA

General data

Width	17.5 mm
Height	99 mm
Depth	114.5 mm
Width	57 mm
Height	57 mm
Depth	280 mm
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Conformance	FCC Directive, Part 15.247
	ISC Directive RSS 210
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

Accessories

Item	Designation	Description
Cable/conductor		
2867238	RAD-CAB-LMR400-100	Antenna extension cable, length: 100 ft
2867380	RAD-CAB-LMR400-60	Antenna extension cable, length: 60 ft
2867393	RAD-CAB-LMR400-80	Antenna extension cable, length: 80 ft
2885210	RAD-CAB-LMR600-125	Antenna extension cable, length: 125 ft
2885184	RAD-CAB-LMR600-150	Antenna extension cable, length: 150 ft
2885197	RAD-CAB-LMR900-200	Antenna extension cable, length: 200 ft
2867597	RAD-CAB-RG213-25	Antenna extension cable, length: 25 ft
2867377	RAD-CAB-RG213-40	Antenna extension cable, length: 40 ft
2867225	RAD-CAB-RG213-50	Antenna extension cable, length: 50 ft
2867212	RAD-CAB-RG58-20	Antenna extension cable, length: 20 ft

General

2867160	RAD-ISM-900-ANT-OMNI-0-6	Omnidirectional antenna, IP65 protection, cable length 2 m, connection MCX (male)
2867791	RAD-ISM-900-ANT-OMNI-FG-3-N	Omnidirectional antenna, IP65 protection, gain 5 dBi, connection N (female)
2885579	RAD-ISM-900-ANT-OMNI-FG-6-N	Omnidirectional antenna, IP65 protection, gain 8 dBi, connection N (female)
2867801	RAD-ISM-900-ANT-YAGI-3-N	Panel antenna, IP65 protection, gain 5 dBi, cable length 1.5 m, connection N (female)

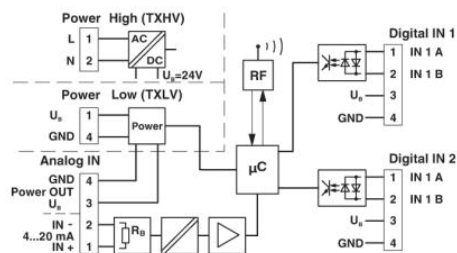
2867830	RAD-ISM-900-ANT-YAGI-6.5-50-AS	Panel antenna with surge protection, adapter cable MCX->N and assembly material, IP65 protection, gain 8.5 dBi, cable length 15.2 m, connection N (female)
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Plug/Adapter

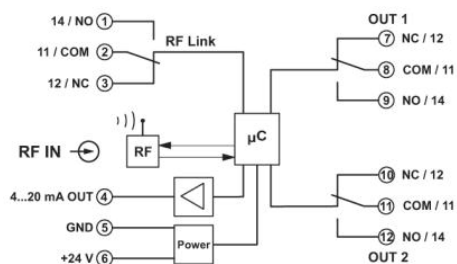
2867607	RAD-CON-MCX-MCX-SS	Adapter cable, pigtail 30 cm SMA (m) -> N (m)
2867717	RAD-CON-MCX-N-SB	Adapter cable, pigtail 120 cm MCX(m) -> N(f)
2885621	RAD-CON-MCX-RPSMA-EX	Adapter cable for Ex zone 1, pigtail 90 cm MCX (m) -> RPSMA (m)
2885207	RAD-CON-MCX90-N-SS	Adapter cable, pigtail 120 cm 90° MCX(m) -> N(m)
2867403	RAD-CON-SMA-N-SS	Adapter cable, pigtail 120 cm SMA(m) -> N(m)

Diagrams/Drawings

Block diagram



Transmitter module



Receiver module

Address

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